
Model: 434T

User Manual

02-May-2013

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Chapter I Product Introduction

1.1 Product appearance and LED indicators

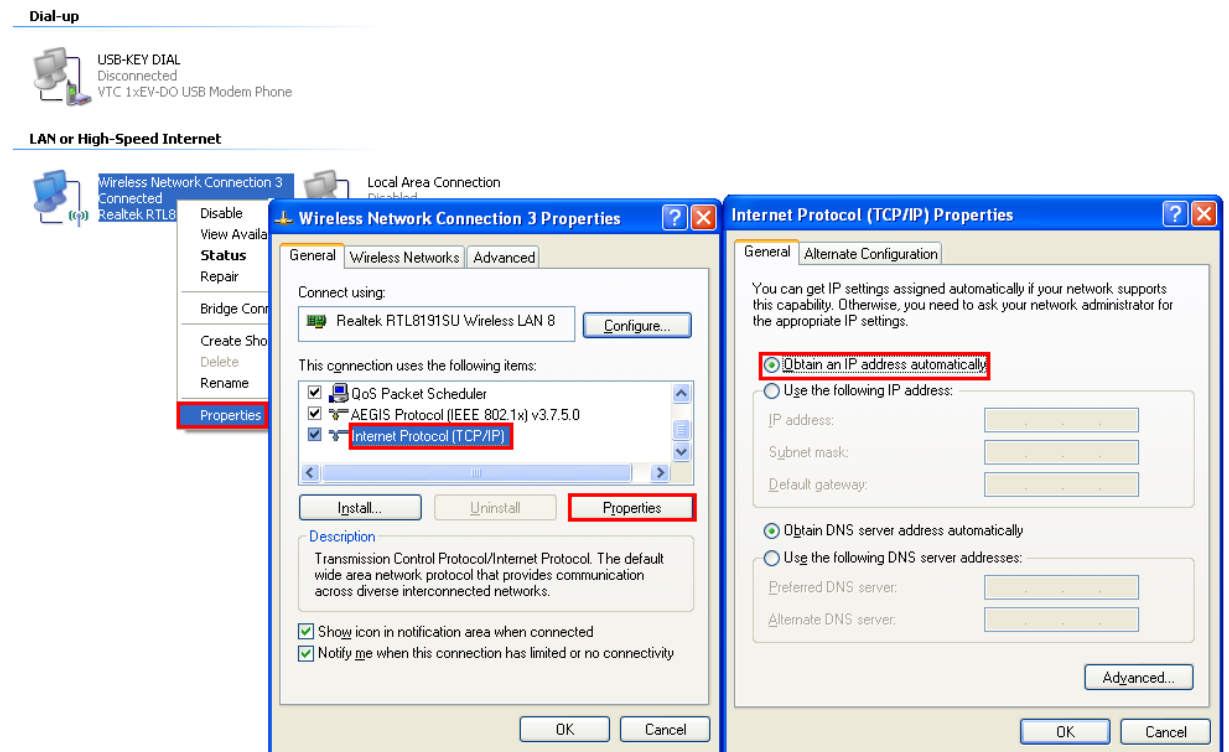



Chapter II Product Installation

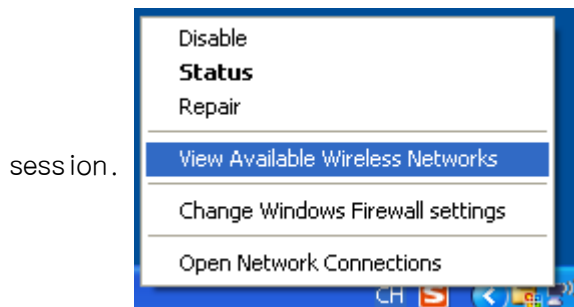
2.1 Wireless network connection- take Windows Xp for example Power 434T

(1) Select "wireless network connection" on "Network Connection" property of the

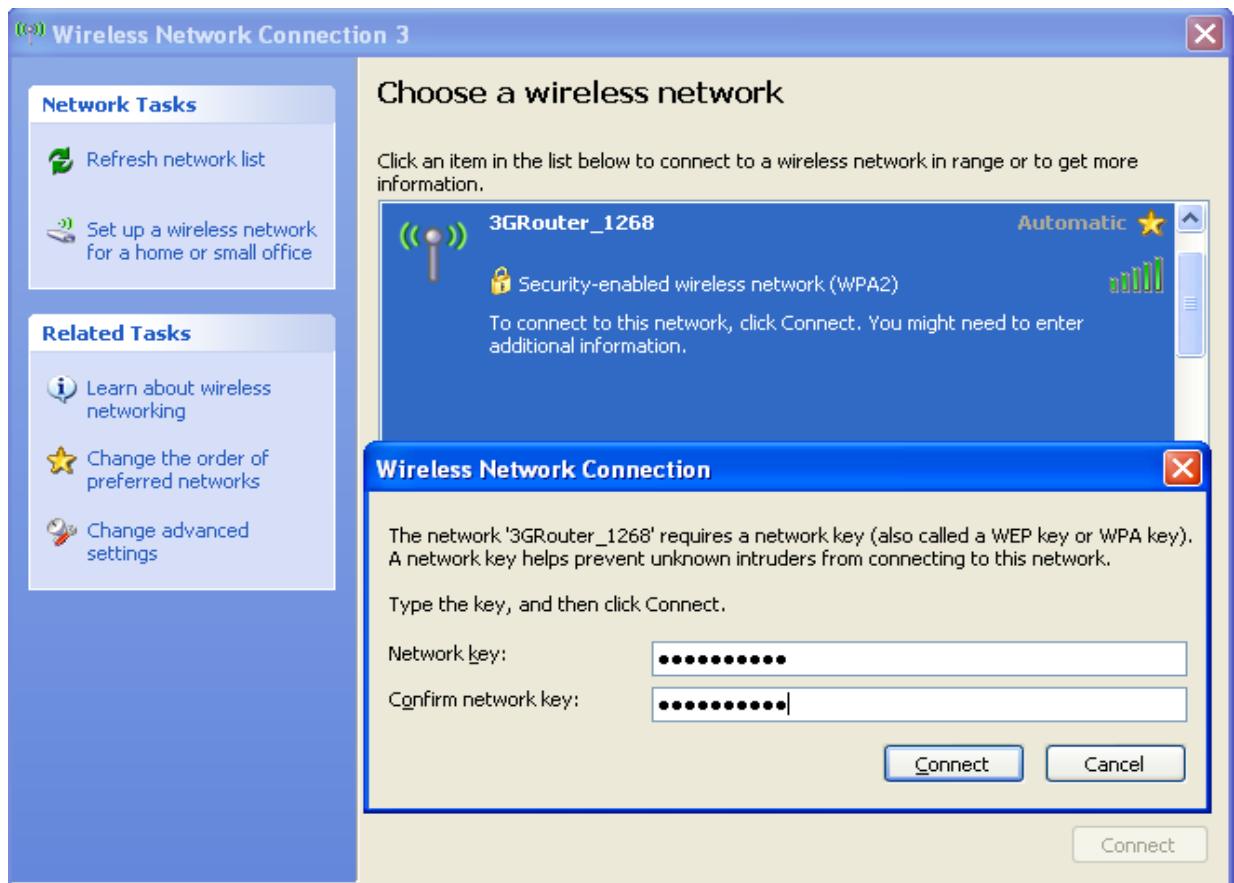
computer desktop. See as below, make the Internet protocol to “obtain IP address automatically”.



- (2) The icon “” comes on the right bottom of computer desktop, press right button of mouse, then select “View Available Wireless Networks” in the prompt



Select SSID: 3GRouter_xxxx from the wireless network connection list, click “connect” button,

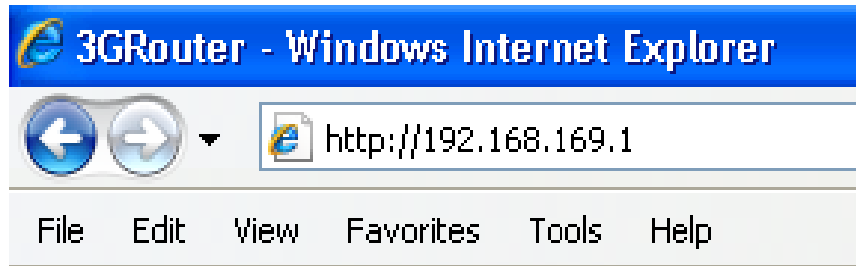


(3) When “Connected”, it means connection success.



2.2 Login User management Interface (UI)


(1) Open Web browser, input “http: //192.168.169.1 ” in Address bar, and press “Enter ”.



- (2) In the following pop-up window input User name: admin;Password: admin, and click “Login”.



2.3 Wi-Fi password modification

- (1) Connect your PC to 434T via WiFi, in the WEB browser input: 192.168.169.1, click  “WIFI” icon, input password: admin, enter into WIFI management setting



(2) Select the encryption mode in “**Security Mode**”, and set WIFI key.



SMART Disconnected



Home



Internet



Wireless



Firewall



Admin

WiFi Settings

You could configure the minimum number of Wireless settings for communication, such as Network Name (SSID) and Channel. The Access Point can be set simply with only the minimum setting items.

Wireless Network	
WiFi On/Off	<input type="button" value="Off"/>
Network Mode	11b/g/n mixed mode ▾
Network Name(SSID)	3GRouter_1268 <input type="checkbox"/> Hidden <input type="checkbox"/> Isolated
BSSID	9C:41:7C:01:26:88
Frequency (Channel)	AutoSelect ▾
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

"3GRouter_1268"	
Security Mode	WPA2-PSK ▾

WPA	
WPA Algorithms	<input checked="" type="radio"/> TKIP <input type="radio"/> AES <input type="radio"/> TKIP/AES
Pass Phrase	1234567890
Key Renewal Interval	3600 seconds (0 ~ 4194303)

Access Policy	
Policy	Disable ▾
Add a station Mac:	<input type="text"/>
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

- (3) After setting, click "Apply" button, then 434T will restart, connect your PC to 434T again.

2.4 Default factory setting

When you reset 434T, it will be factory status. default IP : 192.168.169.1 , password: admin, Internet access mode: Smart, SSID: 3Grouter_xxxx.

- ① Power 434T, then 434T start and blue light flash (3s/times).
- ② Press " WPS " button, until 5—10s then release, if status indicator light is blue

flash(1s/times) it means “reset” success, then 434T will restart.

Chapter III Internet access mode setting

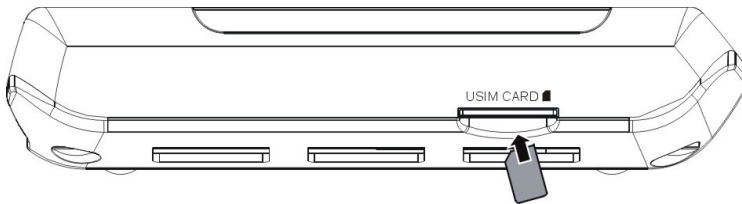
3.1 3G

3.1.1 Insert the SIM card

Warning Before inserting or removing the SIM card, you must disconnect the device from the power adapter.

If you are required to enter the PIN code, enter the correct one. If you fail to enter the correct PIN or PUK code, the network-related functions are unavailable. The SIM card is supplied by the service provider. For details, contact your service provider.

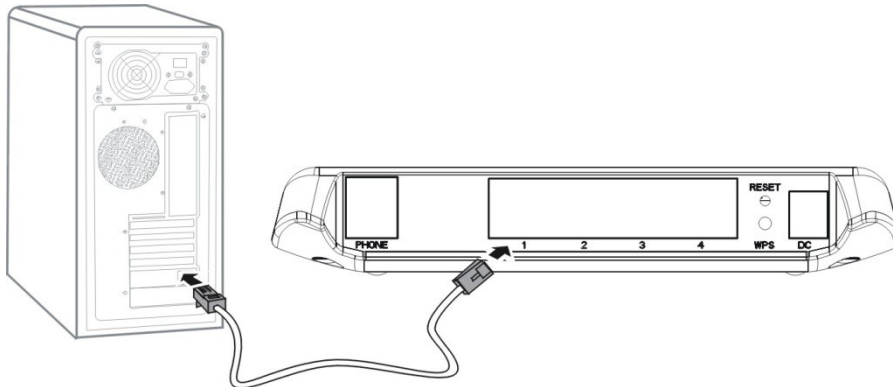
Insert the card into the slot completely, as shown in the following figure.



To remove the card, press the card gently. Now the card will pop up automatically.

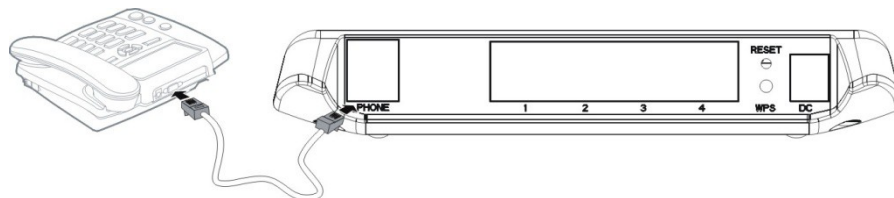
3.1.2 Connect to a PC

If the indicator of the Ethernet interface connecting with a network cable is on, the connection is successful. The Ethernet cable cannot be longer than 100 meters (328 feet). To achieve better effect, use the shielded cable.



3.1.3 Connect to a telephone set

The communication quality of the telephone set can be interfered by the wireless signal. Place the telephone set one meter away from the device.



3.2 ADSL

- (1) Power 434T put ADSL LAN cable into 434T WAN port (No.1).
- (2) Connect your PC to 434T via WIFI, in the Web browser input IP: 192.168.169.1, then input admin password: admin, a session rejected (as below), this time you can input your ADSL account info, then click "OK". Ps: if your ISP require bound MAC address, you need to input corresponding MAC.

温馨提示:ADSL用户名和密码为空,请输入用户名和密码!

账号	<input type="text"/>
密码	<input type="password"/>
确认密码	<input type="password"/>
MAC地址绑定	<input type="text"/>
<input type="button" value="确定"/>	


3.3 DHCP (Hotel)


- (1) Power 434T, connect the cable in hotel or modem LAN to 434T WAN port.
- (2) Connect your PC to 434T via WIFI


3.4 STATIC IP(Campus)


- (1) Power 434T, connect LAN from modem to 434T WAN port.
- (2) Connect your PC to 434T via WIFI, in the Web browser input: 192.168.169.1, password: admin, click "Network setting—WAN", set WAN mode: **STATIC IP**
- (3) Input IP address and gateway info from ISP under the STATIC IP mode Webpage. Then click "Apply" button.


WIFI Connected


Home


Internet


Wireless


Firewall


Admin

Wide Area Network (WAN) Settings

You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

WAN Connection Type: STATIC (fixed IP)

Static Mode

IP Address	<input style="width: 90%;" type="text" value="192.168.0.132"/>
Subnet Mask	<input style="width: 90%;" type="text" value="255.255.255.0"/>
Default Gateway	<input style="width: 90%;" type="text" value="192.168.0.1"/>
Primary DNS Server	<input style="width: 90%;" type="text" value="192.168.0.1"/>
Secondary DNS Server	<input style="width: 90%;" type="text"/>

Net Backup

3g net back ☐ 3g back

MAC Clone

Enabled Disable


Apply
Cancel


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- (4) When 434T status indicator light is blue(always), it means connection success and internet available.


3.5 WIFI Hotspot


- (1) Power 434T, connect your PC to 434T via WIFI
- (2) In Web browser input: 192.168.169.1, password: admin, click "Network setting-WAN", make WAN mode be "WIFI".
- (3) In WIFI Hotspot setting Webpage, click "Get Aplist in the air", select SSID you know. If the wireless network is encryption, please input WIFI password, then click "Apply" button. If WIFI hotspot is bound MAC, please start MAC clone and input bound MAC address.
- (4) When the status indicator light is blue(always), it means dial number success and internet available.


Home


Internet


Wireless


Firewall



Admin

WIFI Connected

Wide Area Network (WAN) Settings

You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

WAN Connection Type: WIFI

No	SSID	Encryption	Signal
	test	WPAPSK	

WIFI Password ASCII hametech@000 Get APlist from air

Net Backup

3g net back ☐ 3g back

MAC Clone

Enabled Disable

Apply Cancel

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Chapter V Software feature

Login GUI of 434T, you can make some settings.



: Check and configure the basic info of wireless network



: Login the status Webpage, check the internet access mode, connection and net flow, ect.



: When ADSL is current access mode, you can input account and password from your operator.



: When putting 3G USB Modem, according to SIM and current network requirement you can input PIN and APN from your operator

5.1 Internet settings

5.1.1 WAN

There are five online methods (STATIC, DHCP, PPPOE (ADSL), 3G. ,WIFI in WAN mode.

5.1.1.1 STATIC Mode

The superior equipment is router or others; you need to enter fixed IP address provided by ISP.

WAN Connection Type:	STATIC (fixed IP) ▼
Static Mode	
IP Address	<input type="text"/>
Subnet Mask	<input type="text"/>
Default Gateway	<input type="text"/>
Primary DNS Server	<input type="text"/>
Secondary DNS Server	<input type="text"/>
MAC Clone	
Enabled	Disable ▼

Apply Cancel

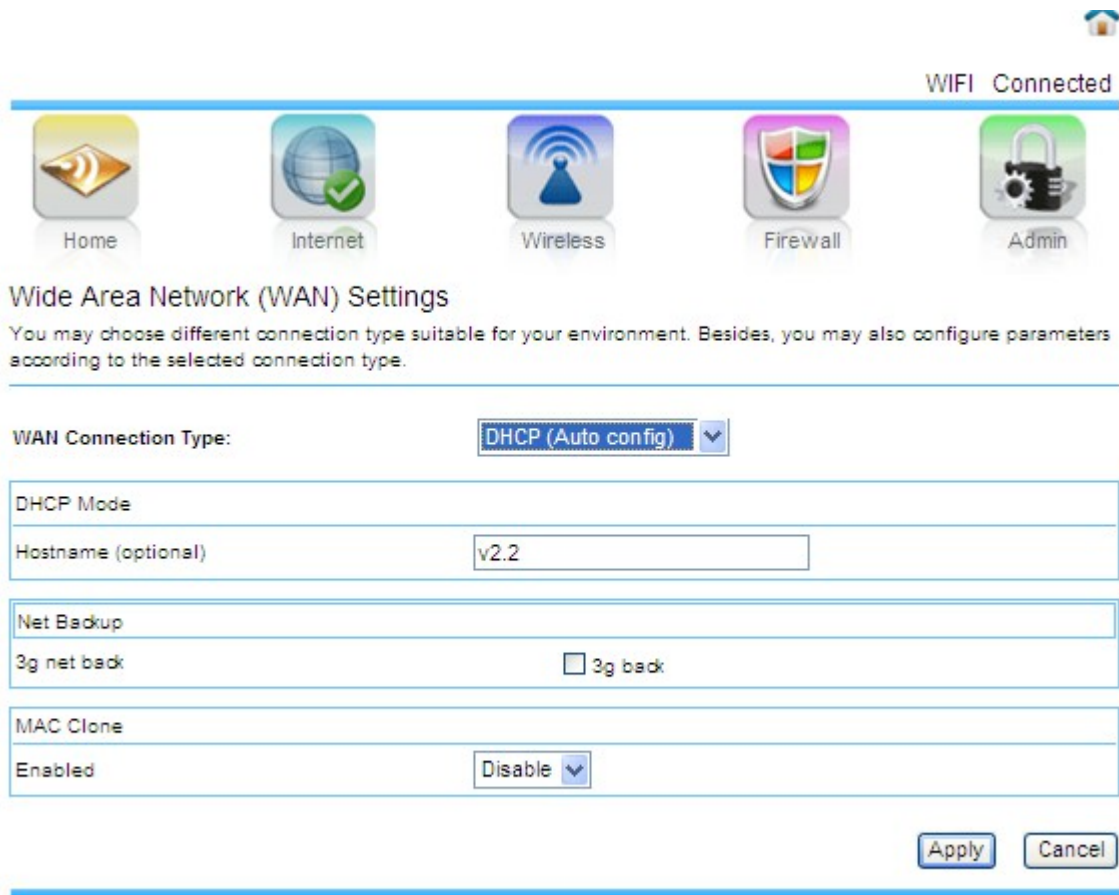
- **IP address:** Static IP address provided the ISP.
- **Subnet mask:** Provided by ISP.
- **Default Gateway:** Fill in the gateway address as provided by the ISP.
- **Primary DNS Server:** Fill in the DNS server as provided by the ISP. Different areas have different DNS addresses.
- **Secondary DNS Server :** Fill in the DNS server as provided by the ISP. Different areas have different DNS addresses.

5.1.1.2 DHCP Mode

The superior equipment is router; you can acquire IP address from ISP and access internet without filling any content.

Obtain IP and DNS information relating to the extranet ports from the DHCP server and make

sure that the extranet ports connect to DHCP server. You can choose not to fill in the Hostname.



The image shows a router's web-based configuration interface. At the top right, there is a home icon and the text 'WIFI Connected'. Below this is a navigation bar with five icons: Home (a house), Internet (a globe with a checkmark), Wireless (a signal tower), Firewall (a shield with a checkmark), and Admin (a padlock). The 'Internet' icon is highlighted. The main section is titled 'Wide Area Network (WAN) Settings' and includes a sub-header: 'You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.' The 'WAN Connection Type' is set to 'DHCP (Auto config)' in a dropdown menu. Below this, there are several input fields: 'DHCP Mode' (empty), 'Hostname (optional)' (containing 'v2.2'), 'Net Backup' (empty), '3g net back' (with an unchecked checkbox and the text '3g back'), 'MAC Clone' (empty), and 'Enabled' (with a dropdown menu set to 'Disable'). At the bottom right of the settings area are 'Apply' and 'Cancel' buttons.

WIFI Connected

Home Internet Wireless Firewall Admin

Wide Area Network (WAN) Settings

You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

WAN Connection Type: DHCP (Auto config) ▼

DHCP Mode

Hostname (optional) v2.2

Net Backup

3g net back ☐ 3g back

MAC Clone

Enabled Disable ▼


Apply Cancel


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5.1.1.3 PPPOE (ADSL) Mode


Superior equipment is modem or optical fibre; you need to enter user name and password appointed by ISP.


WIFI Connected


Home


Internet


Wireless


Firewall


Admin

Wide Area Network (WAN) Settings

You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

WAN Connection Type: PPPOE (ADSL)

PPPOE Mode

User Name

Password

Verify Password

Keep Alive ▼

Operation Mode

Keep Alive Mode: Redial Period(second)

On demand Mode: Idle Time(minutes)

Net Backup

3g net back ☐ 3g back

MAC Clone

Enabled Disable ▼

Apply
Cancel

- **User Name:** Fill in the Internet access account as provided by the ISP. Please place enquiries on the ISP in case of any queries.
- **Password:** Fill in the password as provided by the ISP. Please place enquiries on the ISP in case of any queries.
- **Operation modes:** Divided into “Keep Alive” connection, “Manual” connection and “On Demand” connection.
- **Manual:** select this option, you need to dial manually when the internet connection is shut-down.
- **On Demand:** when the network visit is required from LAN, it will connect automatically. If there is no any network required within setting time (leisure), it will disconnect automatically (no display disconnect in

status webpage) . This mode is suitable for the user who pay according to the internet using time and save the cost.

5.1.1.4 3G Mode

Use 3G wireless data card

WAN Connection Type:	3G
----------------------	----

3G Mode

Run Type	Keep Alive
	Auto Mode: Redial Period(senconds) 10
	PPPD TimeOut(senconds) 10
PIN Setting	<input type="radio"/> Use Pin <input checked="" type="radio"/> Unused Pin
APN	<input type="radio"/> Manual APN <input checked="" type="radio"/> Auto APN
Dial Number	
User	
PassWord	
Autentication	<input checked="" type="radio"/> Auto <input type="radio"/> PAP <input type="radio"/> CHAP
DNS Type	Auto DNS
Primary DNS Server	
Secondary DNS Server	

Net Backup

3g net back	<input type="checkbox"/> 3g back
-------------	----------------------------------

MAC Clone

Enabled	Disable
---------	---------

➤ **3G Run Type:** (1)、Under the “Keep Alive ” mode, the router will dial up automatically and get connected to the Internet when 3G equipment is plugged in. (2)、Under the “Manual” mode, the access internet through dial-up will not be launched until the user clicks “Connection” on the status page. (3)、Under the “On-Demand” mode, the system will be connected to the network automatically in case of WAN access requests. If there are no network access requests within the specific period (idle time), the system will disconnect to the network automatically. This connection mode could effectively save network access fees for users that select to make payment by the time actually consumed.

- **PIN settings:** If your SIM/USIM/UIM card has a PIN code, you shall select “Use PIN” and fill in the PIN code in the following Input Box, otherwise, you shall select “Unused PIN”.
- **APN :** If you select “Automatic APN”, then information such as “APN Information”, “Dial Number”, “User” and “Password” shall be filled by the router automatically. If you select “Manual APN”, then you have to fill in such Internet access information by yourself.
- **DNS type:** If you select “Automatic DNS”, the router will use the DNS obtained by 3G dial-up. If the “Manual DNS” is selected, the router will use the DNS information entered by the user.
- **Net Backup:** If you select “3g back”, means 434T supports failover, when 3g disconnect, it will dial no through ADSL/DHCP for internet prepare.

5.1.1.5 WIFI

Make WIFI as internet access mode, you can grasp the near WIFI hotspot for WIFI repeater.

Wide Area Network (WAN) Settings

You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

WAN Connection Type: WIFI

Current SSIDs in air			
No	SSID	Encryption	Signal
1			

WIFI Password: ASCII Get APlist from air

MAC Clone: ASCII HEX

Enabled: Disable

Disable
 Enable

Apply
Cancel

- **Click “ Get Aplist from air”**
- **Input WIFI key**
- **MAC Clone :** If internet access mode is ADSL, it maybe need bound MAC address

5.1.2 LAN

Local Area Network (LAN) Settings

You may enable/disable networking functions and configure their parameters as your wish.

LAN Setup	
IP Address	<input type="text" value="192.168.169.1"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
MAC Address	9C:41:7C:01:26:85
DHCP Type	<input type="text" value="Server"/> ▼
Start IP Address	<input type="text" value="192.168.169.2"/>
End IP Address	<input type="text" value="192.168.169.254"/>
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

- **IP address:** Set up IP addresses for Intranet ports
- **Subnet mask:** Set up masks for the Intranet.
- **MAC address:** Indicated physical addresses of the Intranet ports.
- **DHCP type:** Select “Server” to open DHCP services and then the host in the Intranet could obtain IPs dynamically.
- **Start IP address-End IP address:** IPs obtained by the host in the Intranet via DHCP mode is included in this range.

5.1.3 Static Routing

This function may be used when it is required to add a specific routing for a certain host. The proper use of static routing could reduce routing issues, alleviate the overload of routing data flows and enhance the transmission speed for the data packets. A routing item may be identified by setting targeted IP address, subnet mask and gateway address, among which the targeted IP address and the subnet mask are used to identify a target network/host. Afterwards, the router transmits the data packets to the designated target network/host via the gateway.

Add a routing rule

Destination
Range
Gateway
Interface
Comment

Host
LAN

Apply
Reset

Current Routing table in the system:

No.	Destination	Netmask	Gateway	Flags	Metric	Ref	Use	Interface	Comment
1	255.255.255.255	255.255.255.255	0.0.0.0	5	0	0	0	LAN(br0)	
2	192.168.169.0	255.255.255.0	0.0.0.0	1	0	0	0	LAN(br0)	

Delete
Reset

- **Destination IP address:** Identify target addresses or networks that are hopefully to be visited.
- **Range: Host/Net:** The selection of a host means to designate a certain IP for the host. The network defines a specific network segment by defining a subnet mask.
- **Gateway:** IP address of the router or the host where the data packets are sent.
- **Interface:** Indicate connector information.
- **Comment:** Fill in necessary notes.
- **Current Routing table in the system:** Display all kinds of information relating to all current router tables that are defined by the user.

5.1.4 DHCP clients

Display information relevant to the hosts that are connected to the router's Intranet via DHCP.

DHCP client list enables you to check the status of online users such as MAC address, IP address and lease periods of the IP address.

DHCP Client List

You could monitor DHCP clients here.

DHCP Clients			
Hostname	MAC Address	IP Address	Expires in
hame-593f02d2df	9C:B7:0D:35:F3:26	192.168.169.2	23:49:32

5.2 Wireless Network Settings

5.2.1 WIFI Settings



WIFI Settings

You could configure the minimum number of Wireless settings for communication, such as Network Name (SSID) and Channel. The Access Point can be set simply with only the minimum setting items.

Wireless Network	
WiFi On/Off	<input checked="" type="checkbox"/>
Network Mode	11b/g/n mixed mode
Network Name(SSID)	3GRouter_cb01
BSSID	9C:41:7C:3C:B0:18
Frequency (Channel)	AutoSelect
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	
"3GRouter_cb01"	
Security Mode	Disable
Access Policy	
Policy	Disable
Add a station Mac:	
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

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- **Wireless switch:** Switch on/off wireless functions of the router.
- **Network mode:** Wireless application standards for the router. The router supports 802.11b, 802.11g, and 802.11n or mix modes.
- **SSID:** Network name of the wireless signals. This router supports multiple wireless networks. If you select “Hidden the Wireless Client”, you cannot scan the router’s SSID. If you select “Isolated”, you can prevent other users under the same network between the transmission of the virus.
- **Broadcast network Name:** You can select “Disable” to forbid the router to broadcast SSID. After that, the wireless clients cannot scan the router’s SSID. The clients cannot communicate with the router if they fail to know the router’s SSID. The broadcast network identifier is defaulted as “Enable”.
- **Frequency (channel):** Channels currently used by the router. Other effective work channels could be selected from the following list and options are 1 to 13.
- **Security mode:** open、share、WEP、WPA、WPA-PSK、WPA2、WPA2-PSK、WPA-PSK /WPA2-PSK、WPA1WPA2、8021.X

5.2.2 WPS Configurations

Wi-Fi Protection Settings (WPS) can easily and quickly establish an encrypted connection among clients of the wireless network. You have no need to select the encryption mode or configure a key. You just need to press “ WPS ” button one second, or enter correct PIN code or select PBC (or press “WLAN/WPS ” button indicated on the back panel) to easily configure WPS.

Wi-Fi Protected Setup

You could setup security easily by choosing PIN or PBC method to do Wi-Fi Protected Setup.

WPS Config	
WPS:	<div>Enable </div> <div>Apply</div>

WPS Summary	
WPS Current Status:	Idle
WPS Configured:	Yes
WPS SSID:	3GRouter_1268
WPS Auth Mode:	Open
WPS Encryp Type:	None
WPS Default Key Index:	1
Default Key(ASCII)	
AP PIN:	00754002 <div>Generate</div>
<div>Reset OOB</div>	

WPS Progress	
WPS mode	<div><input checked="" type="radio"/> PIN <input type="radio"/> PBC</div>
PIN	<div><input type="text"/></div> <div>Apply</div>

- **Wi-Fi Protection Settings:** Used to disable or enable WPS functions. The default status is “Disable”.
- **WPS Overview:** Display relevant information including current WPS status, authentication modes and encryption types applied, and default private key indexing.
- **WPS Current Status:** “Idle” means the idle status. “Start MSC Process” means that the process is enabled and the access is on the way. “Success” means that the server and the client have reached an agreement during the negotiation.
- **WPS Validity:** “Yes” means taking effect and “Not Used” means not taking effect. Generally, if the AP-Safety Configuration takes effect, this place will be displayed as “Not Used”.
- **SSID Configured by WPS:** Display master SSID numbers of the WPS. WPS is only valid for the master SSID.
- **WPS Authentication Mode:** The authentication mode used by WPS. WPA/WPA2-Personal

mode is commonly seen.

- **WPS Encryption Type:** It means the data encryption type. AES/TKIP encryption type is commonly seen.
- **WPS Key:** Effective keys automatically generated by AP.
- **Reset OOB:** When you press this button, the WPS service terminal is indicated as Idle and the WPS indication light turns off. AP will not respond to connection requests from WPS clients and the safety are configured as WPA mode.
- **WPS Mode:** Support two kinds of simple WPS settings, namely PBC (Push-Button Configuration) and PIN code.
- **PBC:** select PBC and click "Save as" or press WLAN / WPS button in the back panel for about one second while activating WPS / PBC to connect in the client port.
- **Operation Process:** after clicking the WLAN / WPS button for one second, WPS lights will blink about 2 minutes, indicating that the function is activated. In this time range, the wireless client ports can activate the WPS / PBC for authentication and consultation. After the connection is successfully connected, WPS indication light will be off and access process of wireless client could be completed. If users want to access multiple wireless client ports, users need to repeat the process. It could support up to 32 wireless client ports to access.
- **PIN:** If users want to use the PIN, users must know the PIN code of wireless client ports. Users could just add to the input box and then save while using the same PIN code to make connection in the client ports.
- **PIN (Key):** Default PIN code.

5.3 Firewall

5.3.1 Content Filter

- **Webpage content filtering:** Filter the part "Proxy Java ActiveX" of the web pages.
- **URL filtering:** Filter out the entire content of the webpage of URL

- **Web host filtering: URL WEBPAGES including keywords are filtered.**

Webs URL Filter Settings

Current Webs URL Filters:	
No.	URL
	<div style="text-align: right;"><button>Delete</button> <button>Reset</button></div>

Add a Webs URL Filter:	
URL:	<input type="text"/>
Enter up to 14	<div style="text-align: right;"><button>Add</button> <button>Reset</button></div>

Current Website Host(keyword) Filters:	
No.	Host(Keyword)
	<div style="text-align: right;"><button>Delete</button> <button>Reset</button></div>

Add a Website Host(keyword) Filter:	
Keyword	<input type="text"/>
Enter up to 14	<div style="text-align: right;"><button>Add</button> <button>Reset</button></div>

5.3.2 Address Filter

This function is aimed at restricting and managing the client ports of the router. If you need to limit Internet use of the machine of the router, you could use this function. To use this function, you should first activate it and then select a default strategy (accept or reject), which means the data packets that do not comply with the rules to be accepted or rejected. And then fill out the corresponding filter rules. Pay attention that it is not required you to fill out all the items but to fill the appropriate selection according your own requirements. For example, to ban the IP of 192.168.1.146 to use Internet (others can use Internet), you just need to adopt the default strategy as acceptance strategy and fill 192.168.1.146 in the column of the source IP address. To use this function could enhance users' security and manageability of LAN.

MAC/IP/Port Filtering Settings

You may setup firewall rules to protect your network from virus, worm and malicious activity on the Internet.

Basic Settings

MAC/IP/Port Filtering



Disable

Default Policy -- The packet that don't match with any rules would be:

Dropped

Apply

Reset

MAC/IP/Port Filter Settings	
Source MAC address	<input type="text"/>
Dest IP Address	<input type="text"/>
Source IP Address	<input type="text"/>
Protocol	None 
Dest Port Range	<input type="text"/> - <input type="text"/>
Source Port Range	<input type="text"/> - <input type="text"/>
Action	Accept 
Comment	<input type="text"/>

Enter up to 10

Apply Reset

Current MAC/IP/Port filtering rules in system:									
No.	Source MAC address	Dest IP Address	Source IP Address	Protocol	Dest Port Range	Source Port Range	Action	Comment	Pkt Cnt
Others would be dropped									-
<div> <div>Delete Selected</div> <div>Reset</div> </div>									

- **Mac/IP/Port Filtering:** This function takes no effect if “Prohibit” is selected. After you click “Enable”, this function will take effect.
- **Default Policy:** Select “Dropped” or “Accepted”. This strategy shall be implemented if rules as defined below are not matched.
- **MAC Address:** Fill in MAC addresses that you plan to define rules.
- **Source IP Address:** Enter local IP address that needs filtering. You shall fill in rules that correspond to this IP.

- **Destination IP Address:** Enter destination IP address that needs filtering. You shall fill in rules that correspond to this IP.
- **Port range:** Ranges for ports that need to be abandoned or accepted.
- **Protocol:** Select protocols that are used by controllable data packets.
- **Strategy:** Identify whether the defined rules are “Abandon” or “Accept”. It is in the opposite side of the default strategy.
- **Remarks:** Indicate the rules defined by you to differentiate such rules.

5.3.3 Virtual Server

The virtual host enables remote users who gain access to web or FTP services via public network IP addresses to automatically shift to local servers of the LAN. The virtual server can define a service port. All service requests to such port raised by the Extranet shall be transmitted to LAN servers as specified by the router (based on IP address). This way, the user could successfully access LAN servers without exerting any influences on the internal network safety of the LAN.

Virtual Server Settings

You may setup Virtual Servers to provide services on Internet.

Virtual Server Settings	
Virtual Server Settings	<div>Disable</div>
IP Address	<div></div>
Port Range	<div></div>
Protocol	<div>TCP&UDP</div>
Comment	<div></div>
<div>Enter up to30</div>	
<div>Apply</div> <div>Reset</div>	

forward single port virtual server	
forward single port virtual server setting	<div>Disable</div>
IP Address	<div></div>
forward virtual server public port	<div></div>
forward virtual server private port	<div></div>
Protocol	<div>TCP&UDP</div>
Comment	<div></div>
<div>Enter up to30</div>	
<div>Apply</div> <div>Reset</div>	

Single port virtual server					
No.	IP Address	forward virtual server public port	forward virtual server private port	Protocol	Comment
				<input type="button" value="Delete Selected"/> <input type="button" value="Reset"/>	

Current Virtual Servers in system:				
No.	IP Address	Port Range	Protocol	Comment
				<input type="button" value="Delete Selected"/> <input type="button" value="Reset"/>

- **Virtual Server settings:** Enable or disable functions of the virtual servers.
- **IP address:** It is used to input necessary IP addresses, such as 192.168.1.103.
- **Port Range:** It is used to input necessary port ranges, such as 80–80.
- **Protocol:** Select protocols that are used by controllable data packets.

Remarks: Fill in necessary notes. In terms of the configurations described above, all data will be transmitted to a computer with the IP address of 192.168.1.103 within the LAN if some program accesses the 80 port of the router.

Current Virtual Servers in system: Indicate the list of current virtual servers.

5.3.4 System Security

System Security Settings

You may configure the system firewall to protect AP/Router itself from attacking.

Remote management	
Remote management (via WAN)	Deny ▼
Ping form WAN Filter	Disable ▼
Block port scan	Disable ▼
Block SYN Flood	Disable ▼
SPI Firewall	Enable ▼
<div>Apply Reset</div>	

- **Remote management:** Identify whether it is permitted to access WEB management pages via Extranet ports.
- **Ping form WALL Filter:** Identify whether it is permitted to PING the router via Extranet port

5.3.5 DMZ Settings

Transfer all data that are received by the router's Extranet ports to "DMZ IP Address"

DMZ Settings

You may setup a De-militarized Zone(DMZ) to separate internal network and Internet.

DMZ Settings	
DMZ Settings	Disable ▼
DMZ IP Address	<input type="text"/>
<div><input type="checkbox"/> Except TCP port 80</div> <div>Apply Reset</div>	

5.4 Admin

5.4.1 Status

Current work conditions of the router.

System Info			
Platform	v1.4	Version	2.3.105.206
WiFi SSID	3GRouter_1268	Running Time	00:18:12

Internet Configurations			
Connected	SMART(3G)	<input type="button" value="Connect"/>	<input type="button" value="Disconnect"/>
WAN IP Address		Default Gateway	
Primary Domain Server		Secondary Domain Server	
Subnet Mask		Current connection time	-
Upload traffic	-KB	Download traffic	-KB
Total connection traffic	0KB	Total connection time	00:00:00

System information:

- **Version:** indicates the router's current software versions and the release date.
- **Running Time:** indicates the system operation time after the router is loaded with a power supply. Such time will be cleared to zero after the power supply is unloaded.

Internet Configurations:

- **Connected:** 3G mode contains two buttons, namely "Disconnect" and "Connect" will be displayed on the interface to disconnect and connect the 3G network.
- **Network Mode:** Signal intensity of the 3G network / signal intensity of the 2G network. Network type: Which network is currently connected (WCDMA, TD, EVDO)
- **WAN IP Address:** current WAN IP address of the router. The router's connection type 3G not connected to the extranet, the address will be displayed as empty or 0.0.0.0.
- **Subnet Mask:** Router's WAN subnet mask.
- **Default Gateway:** Router's WAN default gateway.

- **Primary Domain Name server:** Address of the DNS server that is currently used by the router.

Local Network:

- **Local IP address:** IP address of the router's Intranet ports.
- **Local Net mask:** Subnet mask of the router's Intranet.
- **MAC address:** Physical address of the router's Intranet ports.

5.4.2 Management

Administrator Settings

Administrator Settings	
Password	<input type="password"/>
Confirm Password	<input type="password"/>
<div>Apply Cancel</div>	

Administrator Settings: Set account and password for administrator. You can do any operation if you login the page in the capacity of administrator.

NTP Settings

NTP Settings	
Current Time	<input type="text" value="Sat Jan 1 08:18:45 GMT 2000"/> <input type="button" value="Sync with host"/>
Time Zone:	<input type="text" value="(GMT+08:00) China Coast, Hong Kong"/>
NTP Server	<input type="text" value="pool.ntp.org"/> <small>pool.ntp.org asia.pool.ntp.org</small>
NTP synchronization(hours)	<input type="text" value="1"/>
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

- **Current Time:** Set the router time the same to PC.
- **Time Zone:** Select time and area.
- **NTP Server:** Enter the address for the NTP Server, then the Router will get the time from the NTP Server preferentially. In addition, the router built-in some common NTP Servers, so it can get time automatically once it connects the Internet.
- **NTP Synchronization :** Intervals for the router to obtain data from the time server.

DDNS

DDNS (Dynamic Domain Name System) – The capability of assigning a fixed host and domain name to a dynamic Internet IP Address. The router offers the DDNS feature, which allows the hosting of a website, FTP server, or e-mail server with a fixed domain name(named by yourself) and a dynamic IP address, and the your friends can connect to your server by entering your domain name no matter what your IP address is. Before using this feature, you need to sign up for DDNS service providers. The Dynamic DNS client service provider will give you a password or key.

DDNS Settings	
Dynamic DNS Provider	<input type="text" value="None"/>
Account	<input type="text"/>
Password	<input type="text"/>
DDNS	<input type="text"/>
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

- **Dynamic DNS Provider:** select websites that provide dynamic domain name service.

- **Account :** the login name you register in the websites that provide dynamic domain name service.
- **Password:** the password you register in the websites that provide dynamic domain name service.
- **DDNS:** the domain name you register in the websites that provide dynamic domain name service

Note: Before using Dynamic Domain Name function, please register the dynamic DNS address services in the website listed in drop-down box of service providers and ensure that this account is effective.

5.4.3 Upload

Location Update	
Location:	<input style="width: 150px;" type="text"/> <input style="margin-left: 10px;" type="button" value="Browse..."/>
<input style="margin-left: 100px;" type="button" value="Apply"/>	

Remote Update	
Update list	<input style="width: 150px;" type="button" value="Click to down Update list"/>
<input style="margin-left: 100px;" type="button" value="Update"/>	

If it is required to upgrade the router's software, the first choice is to obtain our upgrade files and save it in this equipment. Then click "Browse" in the "Location Update" to select upgrade files, then click "Apply" and keep waiting until the upgrade is done (generally within one minute).

5.4.4 Settings

Load Factory Defaults	
Load Default Button	<input type="button" value="Load Default"/>
Clear 3G Accumulated information Button	<input type="button" value="Clear Data traffic"/>

Export LOG	
Debug Switch	<input type="button" value="open"/> <input type="button" value="close"/>
Export Button	<input type="button" value="Export"/>

Export Settings	
Export Button	<input type="button" value="Export"/>
Settings file location	<input type="text"/> <input type="button" value="Browse..."/>
<input type="button" value="Import"/> <input type="button" value="Cancel"/>	

- **Export system configurations:** Save system configuration files locally for further recoveries.
- **Export LOG:** Click the “open” button; store the Log file locally to seek error.
- **Import system configuration:** Introduce local configuration files to the router. After that, each configuration of the router will be updated into the configuration files.
- **Load Factory Defaults:** All the configurations will reset to the factory original settings
- **Clear Flux Defaults:** Click “Clear Flux”, current flux and amass flux of the main page will be cleared

Chapter V FTP

5.5 FTP: files download and upload

Put USB driver/Hard disk/HDD into USB port of 434T, then connect your PC to 434T via WIFI or cable. Click your “My computer” or “Browser”, input:ftp://192.168.169.1. then you can see all files and you can upload and download the files you want.

